

IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

Claims 1. - 14. (Canceled)

Claim 15. (New) A communication apparatus, comprising:

a wireless connection device configured to wirelessly connect to an external intelligent terminal;

a confirmation device configured to execute a process for confirming the presence of data to be transferred between said communication apparatus and the external intelligent terminal connected by said wireless connection device;

a change device configured to change a communication state with the external intelligent terminal by said wireless connection device into a state of low electric power consumption, in accordance with a time period in which no data transmission is performed between said communication apparatus and the external intelligent terminal; and

an execution device configured to execute a process for confirming the presence of transfer data together with said confirmation device in place of the external intelligent terminal, in accordance with the change of communication state by said change device.

Claim 16. (New) The communication apparatus according to claim 15, wherein said change device changes the state of said wireless connection device from the state of low electric power consumption to a connection state capable of receiving command data or image data between said communication apparatus and the external intelligent terminal when an image to be sent from said communication apparatus to the external intelligent terminal is available.

Claim 17. (New) The communication apparatus according to claim 15, wherein the change by said change device is executed by sending a request for a change of the state from said communication apparatus to the external intelligent terminal.

Claim 18. (New) The communication apparatus according to claim 15, wherein said wireless connection device is put into a connection state capable of transmitting and receiving command data or image data between said communication apparatus and the external intelligent terminal in response to a rise of the power source of the external intelligent terminal.

Claim 19. (New) The communication apparatus according to claim 15, wherein said wireless connection device performs a communication in conformity to the Bluetooth Standard.

Claim 20. (New) The communication apparatus according to claim 15, wherein the connection in the low electric power consumption state is such that the external intelligent terminal cannot obtain state information from said communication apparatus.

Claim 21. (New) The communication apparatus according to claim 15, wherein the connection state in a wireless connection does not require an initial connection procedure in order for this state to be changed to a connectable state in which the transmitting and receiving of the command data or the image data by said communication apparatus is possible.

Claim 22. (New) The communication apparatus according to claim 15, wherein the connection state in which said communication apparatus is capable of transmitting and receiving data is an active mode of the Bluetooth standard, and the state of the low electric power consumption is a low electric power consumption mode of the Bluetooth Standard.

Claim 23. (New) An intelligent terminal, comprising:
a wireless connection device configured to wirelessly connect to a communication apparatus capable of performing a communication through a wired communication line;

a confirmation device configured to execute a process for confirming the presence of data to be transferred between said intelligent terminal and the communication apparatus connected by said wireless connection device;

a change device configured to change a communication state with the communication apparatus by said wireless connection device into a state of low electric power consumption, in accordance with a time period in which no data transmission is performed between said intelligent terminal and the communication apparatus; and

an execution device configured to execute a process for confirming the presence of transfer data together with said confirmation device in place of the communication apparatus, in accordance with the change of communication state by said change device.

Claim 24. (New) The intelligent terminal according to claim 23, wherein said change device changes the state of said wireless connection device from the state of low electric power consumption to a connection state capable of transmitting and receiving command data or image data between said intelligent terminal and the communication apparatus based on the request from the communication apparatus when there is available image data to be sent from the communication apparatus to said intelligent terminal.

Claim 25. (New) A control method of a communication apparatus, comprising:

a wireless connection step of wirelessly connecting to an external intelligent terminal;

a confirmation step of executing a process for confirming the presence of data to be transferred between the communication apparatus and the external intelligent terminal connected in said wireless connection step;

a change step of changing a communication state with the external intelligent terminal into a state of low electric power consumption, in accordance with a time period in which no data transmission is performed between the communication apparatus and the external intelligent terminal; and

an execution step of executing a process for confirming the presence of transfer data together with execution of said confirmation step in place of the external intelligent terminal, in accordance with the change of communication state in said change step.

Claim 26. (New) The control method of the communication apparatus according to claim 25, wherein said change step includes changing the state in said wireless connection step from the state of low electric power consumption to a connection state capable of receiving command data or image data between the communication apparatus and the external intelligent terminal when an image to be sent from the communication apparatus to the external intelligent terminal is available.

Claim 27. (New) The control method of the communication apparatus according to claim 25, wherein the change in said change step is executed by sending a request for a change of state from the communication apparatus to the external intelligent terminal.

Claim 28. (New) The control method of the communication apparatus according to claim 25, wherein said wireless connection step includes changing into a connection state capable of transmitting and receiving command data or image data between the communication apparatus and the external intelligent terminal in response to a rise of the power source of the external intelligent terminal.

Claim 29. (New) The control method of the communication apparatus according to claim 25, wherein the connection in the low electric power consumption state is a state in which the external intelligent terminal cannot obtain state information about the communication apparatus.

Claim 30. (New) The control method of the communication apparatus according to claim 25, wherein the connection state in a wireless connection does not require an initial connection procedure in order for this state to be changed to a connectable state in which the transmitting and receiving of command data or image data with the communication apparatus is possible.

Claim 31. (New) A control method of an intelligent terminal, comprising:

a wireless connection step of wirelessly connecting to a communication apparatus capable of performing a communication through a wired communication line;

a confirmation step of executing a process for confirming the presence of data to be transferred between the intelligent terminal and the communication apparatus connected in said wireless connection step;

a change step of changing a communication state with the communication apparatus into a state of low electric power consumption, in accordance with a time period in which no data transmission is performed between the intelligent terminal and the communication apparatus; and

an execution step of executing a process for confirming the presence of transfer data, together with execution of said confirmation step in place of the communication apparatus, in accordance with the change of communication state in said change step.

Claim 32. (New) The control method of the intelligent terminal according to claim 31, wherein said change step includes changing the state in said wireless connection step from the state of low electric power consumption to a connection state capable of transmitting and receiving command data or image data between the intelligent terminal and the communication apparatus based on the request from the communication apparatus when there is available an image data to be sent from the communication apparatus to the intelligent terminal.

Claim 33. (New) A storage medium for storing a program for controlling a communication apparatus,

wherein said program comprises;

a wireless connection step of wirelessly connecting to an external intelligent terminal;

a confirmation step of executing a process for confirming the presence of data to be transferred between the communication apparatus and the external intelligent terminal connected in said wireless connection step;

a change step of changing a communication state with the external intelligent terminal into a state of low electric power consumption, in accordance with a time period in which no data transmission is performed between the communication apparatus and the external intelligent terminal; and

an execution step of executing a process for confirming the presence of transfer data, together with execution of said confirmation step in place of the external intelligent terminal, in accordance with the change of communication state in said change step.

Claim 34. (New) A storage medium for storing a program for controlling an intelligent terminal,

wherein said program comprises;

a wireless connection step of wirelessly connecting to a communication apparatus capable of performing a communication through wired communication line;

a confirmation step of executing a process for confirming the presence of data to be transferred between the intelligent terminal and the communication apparatus connected in said wireless connection step;

a change step of changing a communication state with the communication apparatus into a state of low electric power consumption, in accordance with a time period in which no data transmission is performed between the intelligent terminal and the communication apparatus; and

an execution step of executing a process for confirming the presence of transfer data, together with execution of said confirmation step in place of the communication apparatus, in accordance with the change of communication state in said change step.